

10/491,690

10/4/2002  
ODP  
nFL

1-9

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of the claims in this application.

1. (Currently Amended) A thermoset resin composition comprising a an oligomeric hydroxy-terminated ~~oligomerie~~ phosphonate comprising the repeating structure  $-OP(=O)(R)OArlylene-$ , where R is alkyl, optionally in the presence of another flame retardant.
2. (Currently Amended) A composition as claimed in Claim 1 wherein the content of oligomeric hydroxy-terminated phosphonate ranges from about 20% to about 100%, based upon the total number of termination ends that potentially could hold such end groups, preferably from about 50% to about 100%.
3. (Original) A composition as claimed in Claim 1 wherein Arylene is 1,3-phenylene.
4. (Original) A composition as claimed in Claim 1 wherein R is lower alkyl.
5. (Original) A composition as claimed in Claim 1 wherein Arylene is 1,3 phenylene and R is lower alkyl.
6. (Original) A composition as claimed in Claim 1 wherein Arylene is 1,3-phenylene and R is methyl.
7. (Original) A composition as claimed in Claim 1 wherein Arylene is a bisphenol diradical unit.
8. (Original) A composition as claimed in Claim 1 wherein Arylene is a bisphenol diradical unit and R is methyl.

(9)

(Currently Amended) A composition as claimed in any of Claims

1-8 wherein the thermoset resin is an epoxy resin, optionally wherein the oligomeric hydroxy-terminated phosphonate and the epoxy have been prereacted with one another.

Claim 10. Canceled.

11. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligomeric hydroxy-terminated phosphonate as claimed in Claim 1.

12. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligomeric hydroxy-terminated phosphonate as claimed in Claim 2.

13. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligomeric hydroxy-terminated phosphonate as claimed in Claim 3.

14. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligomeric hydroxy-terminated phosphonate as claimed in Claim 4.

15. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligmeric oligomeric hydroxy-terminated phosphonate as claimed in Claim 5.

16. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligmeric oligomeric hydroxy-terminated phosphonate as claimed in Claim 6.

17. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligmeric oligomeric hydroxy-terminated phosphonate as claimed in Claim 7.

18. (Currently Amended) An epoxy laminate meeting a flame retardant UL-94 rating of V-0 and resistant to delamination which comprises a flame retarding amount of the oligmeric oligomeric hydroxy-terminated phosphonate as claimed in Claim 8.

19. (Currently Amended) A composition comprising a an oligomeric hydroxy-terminated oligmeric phosphonate comprising the repeating structure – OP(=O)(R) OArylene-, where R is alkyl.

20. (Currently Amended) A composition as claimed in Claim 19 wherein the content of oligomeric hydroxy-terminated phosphonate ranges from about 20% to about 100%, based upon the total number of termination ends that potentially could hold such end groups, preferably from about 50% to about 100%.

21. (Previously Presented) A composition as claimed in Claim 19 wherein Arylene is 1, 3-phenylene.

22. (Previously Presented) A composition as claimed in Claim 19 wherein R is lower alkyl.

23. (Previously Presented) A composition as claimed in Claim 19 wherein Arylene is 1,3-phenylene and R is lower alkyl.

24. (Previously Presented) A composition as claimed in Claim 19 wherein Arylene is 1,3-phenylene and R is methyl.

25. (Previously Presented) A composition as claimed in Claim 19 wherein Arylene is a bisphenol diradical unit.

26. (Previously Presented) A composition as claimed in Claim 19 wherein Arylene is a bisphenol diradical unit and R is methyl.

10/557,812  
5/19/2007IN THE CLAIMS:Amend Claims 2-6 as follows and add Claims 7-10:  
*ODP*

1. (Original) An epoxy resin composition comprising an epoxy resin and, as the effective curing agent, an epoxy-reactive polyphosphonate.

2. (Previously amended) A composition as claimed in Claim 1 wherein the epoxy resin comprises from about 50% to about 95%, by weight of the total weight of the composition.

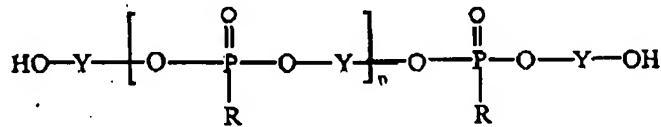
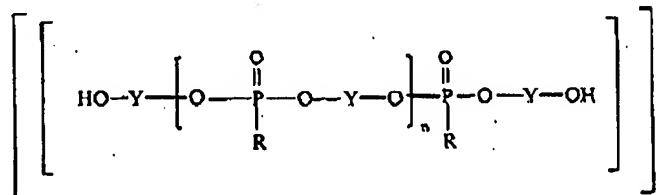
3. (Previously amended) A composition as claimed in Claim 1 wherein the epoxy resin comprises from 65% to 90% by weight of the total weight.

4. (Previously amended) A composition as claimed in Claim 1 wherein the polyphosphonate comprises from about 5% to 50%, by weight of the total weight of the composition.

5. (Previously amended) A composition as claimed in Claim 1 wherein the polyphosphonate comprises from 10% to 35% by weight of the total weight.

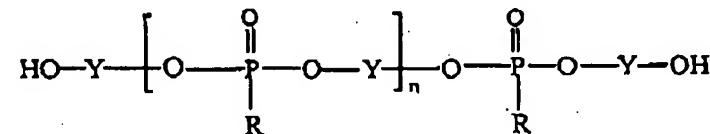
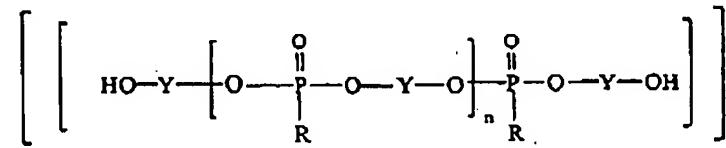
6. (Currently amended) A composition as claimed in Claim

1 wherein the polyphosphonate has the formula



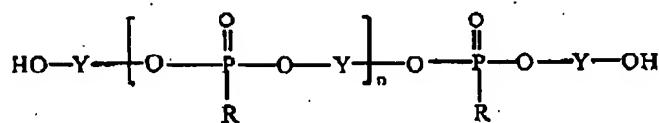
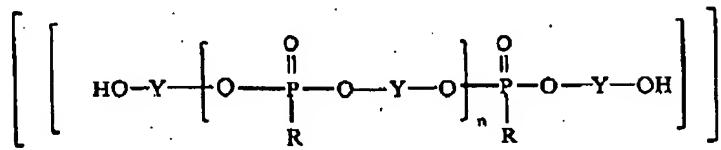
where "Y" is an arylene and "n" can range from about 2 to about 30.

7. (Currently amended) A composition as claimed in Claim 2 wherein  
the polyphosphonate has the formula



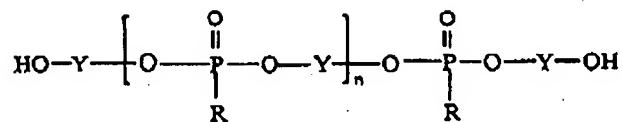
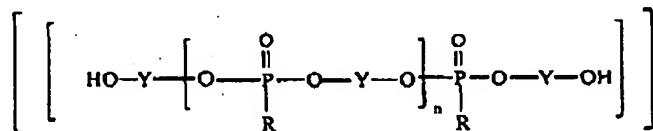
where "Y" is an arylene and "n" can range from about 2 to about 30.

8. (Currently amended) A composition as claimed in Claim 3 wherein the polyphosphonate has the formula



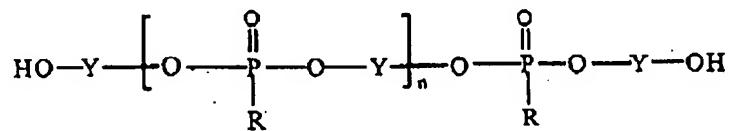
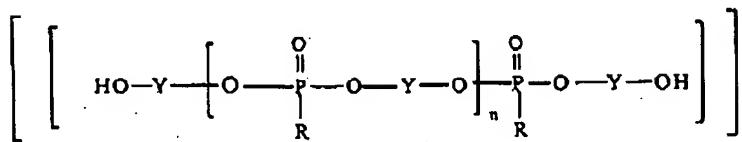
where "Y" is an arylene and "n" can range from about 2 to about 30.

9. (Currently amended) A composition as claimed in Claim 4 wherein the polyphosphonate has the formula



where "Y" is an arylene and "n" can range from about 2 to about 30.

10. (Currently amended) A composition as claimed in Claim 5 wherein the polyphosphonate has the formula



where "Y" is an arylene and "n" can range from about 2 to about 30.